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Central Electric Headquarters For TENITH RADIO

Public Ledger Concert Marked by Patriotic Address by Commander Haines, U. S. Navy

MUSIC SPECIALTIES

Today, Armistice Day, will be fittingly observed during the Public LEDGER concert program broadcast by Station WLIT, beginning at 2 o'clock, with an address by Gordon W. Haines, Commander, United States Navy, and also with special music by the Benjamin Franklin Concert Orchestra, the Albert N. Hoxie Harmonica Band and the Schumann

This outstanding and brilliant program is the ninth of a series being broadcast every Sunday afternoon and sponsored by the Public Lenger. published morning, evening and Sunday. Each concert lasts two

Commander Haines, the orator of the day, was graduated from the Naval Academy in 1905; was commissioned a commander June 3, 1921, and became a captain just last Tuesday. During the World War he served with United States Mine Squadron No. 2 in the North Sea, assisting in the perilous task of laying down the great Northern barrage of mines between Norway and Scotland.

He is at present on duty in charge Lightcap, basso, will sing. sylvania, Southern New Jersey and Paul Hesser, Jr., tenor, will sing all of Delaware, and is also inspector "There Is No Death," by O'Hara, of Naval Reserves, Fourth Naval Dis- Frederic F. Leonara is director of the Schumann Club.

of W. Irving Oppenheim, will open Schumann Club will present "A the concert with "Pomp and Circum- Camp Pire Scene," while the Harstance," by Elgar, this to be fol- monica Band will play Sousa's famlowed by the singing of three num- ous "Washington Post March," and bers by the Schumann Club, "The his even more famous "Stars and Drum," by Gibson; "Venetian Love Stripes Forever." Other selections Song." by Nevin, and "The Lost include the difficult "Poet and Peas-Chord," by Sullivan. Among other ant Overture" and the popular numselections by the orchestra will be bers "Nola." "Beloved" and "Spark-Rachmaninoff's "Prelude in . G lets." Minor": Hosmer's "Southern Rhapsody," the famous "Largo," from the concert with selections from Frimi-New World Symphony of Dvorak and Stothart's "Rose-Marie," the mixed "On the Road to Mandalay," by Oley chorus will sing the stately "Reces-

A mixed chorus from the Schu-

"Lest We Forget"



COMMANDER G. W. HAINES Of the United States Navy, who will deliver an Armistice Day address this afternoon during the ninth Public Ledger Sunday afternoon concert, broadcast over Station WLIT, beginning at 2

mann Club will sing "Roses of Picardy." by Wood, and "Keep the Home Fires Burning," by Novello, Warren

The orchestra, under the direction | As an Armistice Day specialty, the

sional" of Matthews.

uled, but subject to change during the broadcasting, is as follows:

PUBLISHED BEDIEVED BY BUT BUT BEDIEVED BY BUNDANCE

Roses of Picardy" .... Wood Keep the Home Fires Burning" .... Novello Rhapsody" "The Americans Come"......Fay Foster
Warren Lightcap, Basso
Largo from "New World Symphony."

the Road to Mandalay"......Speaks There Is No Death".
Paul Hesser, Jr., Tenor
"Washington Post March" Leon Levy, president of the Univer-"Recessional" Mixed Chorus Selections from "Rose-Marie," Orchestra Orchestra one assigned to the West, KDKA, in

HOOVER HONORARY MEMBER IN LANSDOWNE RADIO ASSO. permit has been granted to increase

President-Eleca Friend of Radio 5000 watts, giving us national cover-Amateur, While Sons Are Active President-elect Herbert Hoover has always been known as a friend of the radio amateur. As Secretary of dered, and installation will com-Commerce he has had much to do with the assigning of wave bands for use by the various radio services. Throughout his contact with this work Mr. Hoover has shown a deep apparatus has been installed. The interest in the welfare of the radio engineers have estimated that it will amateur and an appreciation for the take from three to four months bework already accomplished by the fore the new equipment will be in amateur in developing the short operation.

Mr. Hoover presided at the last International Radio Conference, held in Washington last November. Due largely to his influence, amateurs secured the assignment of several wave bands for amateur use throughout the world. His sons have been actively ing owned and operated stations for broadcast today by WCAU, WABC

Mr. Hoover, in March, 1925, was salslied" ("Song of Fate"), and for elected to honorary membership in the first time in the history of the the Lansdowne Radio Association. Symphonic Hour will bring before His letter of acceptance, containing the microphone a large chorus of an unsolicited tribute to the Ameri- voices to assist the United Symphony can amateur, is reproduced herewith: Orchestra in its rendition "My Dear Mr. Warren: I have your letter of March 19 and am very will, as usual, be presented by the glad indeed to accept honorary mem- United Symphony Orchestra under bership in the Lansdowne Radio As- direction of Howard Barlow. sociation. The amateurs have done "Overture Solennelle, 1812" Tachaikowaky Good Friday Music from "Parsifal" Wagner United Symphony Orchestra "Schicksalalied" ("Song of Fate"). Brahms United Symphony Orchestra and Chorus. "Jubel Overture" ... Weber United Symphony Orchestra much for the development of radio

in the past, and I look to see them Just before the orchestra ends the future. Yours faithfully, "HERBERT HOOVER."

Sings and Cooks Colin O'More, radio tenor, is said The detailed program, as sched- to be a most excellent cook.

CHANNEL; ADDS TO POWER THROUGH NEW EQUIPMENT

easting Company, will occupy one

"We are naturally pleased with

the full-time allotment and national

channel assigned to WCAU by the

Federal Radio Commission," said Dr.

"The State of Pennsylvania has

been allotted two national channels

Pittsburgh, and the other to WCAU,

in the East. Our new frequency will

be 1170 kilocycles. A construction

our present power from 1000 watts to

"To raise the power of WCAU to

5000 watts requires entire new equip-

ment. This, however, has been or-

mence as soon as shipment is com-

pleted. Our present equipment, a

Western Electric 1000-watt transmit-

ter of the latest type, will be used in

case of emergency only after the new

PLAY "SCHICKSALSLIED"

Symphonic Hour Introduces Chorus

of Voices for First Time

in the next Symphonic Hour to be

at 3 o'clock. It is Brahms' "Schick-

Something different will be offered

sal Broadcasting Company.

Russian Singer Makes First Radio Appearance of Season Promise Fine Programs When Power is Raised to 5000.

Marie Kurenko, Russian coloratura soprano, will make her first radio appearance of the season as Station WCAU, Universal Broadfeatured soloist in the Atwater Kent concert, to be broadcast through the two national channels allotted to WFI, WEAF tonight at 10:15 o'c ock Mme. Kurenko will be heard in a Pennsylvania by the Federal Radio Commission, effective 3 A. M. today.

program of operatic and concert seections: As the soloist has just returned from Europe, it is impossible to announce her detailed program in advance. Mme. Kurenko will be accompanied by the Atwater Kent Orchestra, under the direction of osef Pasternack.

Few foreign artists have scored so completely nd so quickly with American audiences. Her first American tour proved a sensation, and since that time her popularity has been steadily increasing.

Mme. Kurenko is a nativo Comsk, Siberia, but at an early age she was taken by her parents to Moscow. Her musical education began when she was 12. Later she became a pupil of the famous Mazetti at the Moscow Conservatory

"ARMISTICE DAY IN PARIS

All the riotous joy of Paris on the first Armistice Day ten years ago will be crowded into the Stetson Parade of Sunday evening, November 11, to be broadcast through WFI, WEAF at

Actual scenes in the French capital during the delirious celebration of the coming of peace will be recreated for the radio audience-the impromptu parades, the dancing crowds, the cheering soldiers. The Weymouth Post American

Legion Band will play some of the old favorites of the war days, including "Over There," "Hinky, Dinky Parlez Vous," "The Navy Brought Them Over," "Tipperary," "Madelon." "Sambre et Meuse" and "The Old

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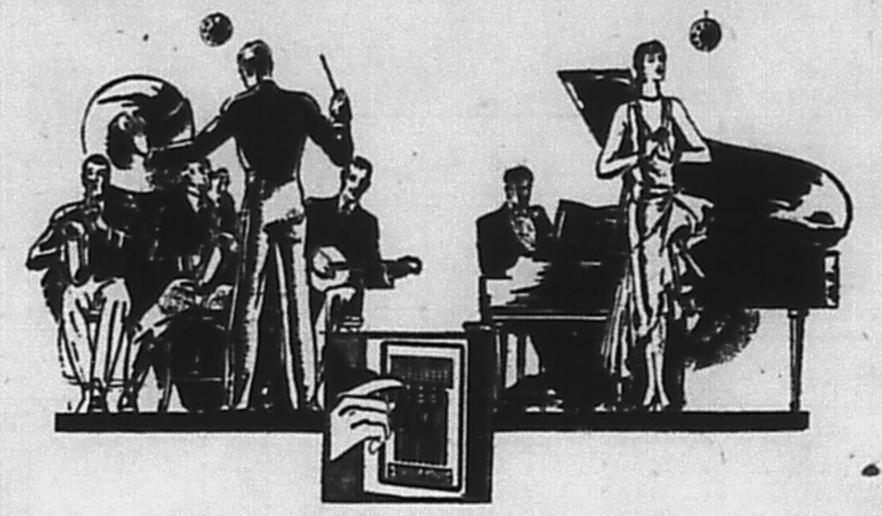
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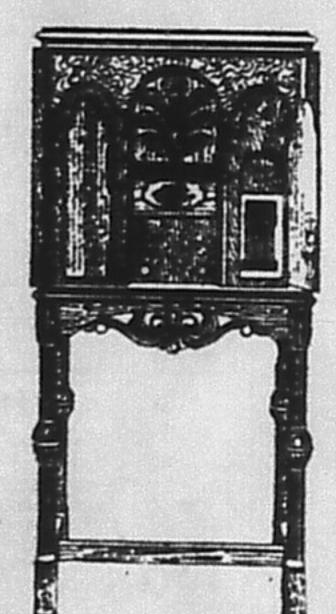
MODELS 35 PX and 35 APX

which further demonstrate the superiority of

NEW!



Model 35PX-35APX



Model 25APX-Same as above, but wit

Zenirh Automatic Tuning device. \$225 (less

The new Zenith Type "X" chassis is a late 1928-29 model designed to take care of the new receiving conditions resulting from the reallocation of broadcasting stations. It is provided with a selector switch, the purpose of which is to increase selectivity and separate stations as close as ten kilocycles apart. Selectivity and all-around efficiency is further enhanced by the use of a variometer in the antenna circuit. This insures increased signal strength and any slight disalignment of the radio frequency condensers will not materially affect reception.

Models 35PX and 35APX utilize a UX-250 power tube in the last stage. There are other improvements in the r. f. circuits which still further increase the sensitivity and signal pick-up of the set. A radio dealer or radio technician will readily appreciate the type PX chassis when he sees the great amount of expense that Zenith has put into this chassis to gain additional tone quality and to eliminate, as much as possible, distortion that might creep into the set under adverse conditions.

The chassis is further provided with two binding posts for an electrical pick-up, thus permitting the user to connect his phonograph to take advantage of the wonderful tone quality of the audio end of the set. The type PX set, as it exists today, consists of three stages of radio frequency amplification, detector and three stages of audio amplification. All changes and improvements above noted have been effected without any increase in the list-prices.

> Visit Your Zenith Dealer for a Free Demonstration

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Tubes Guaranteed for 6 Months

Unconditional Trial in Your Home

Convenient Budget Terms Arranged

November charges not due until January Gimbels Radio Department, Seventh Floor, Market Street



STATIONS BY CALL

Radio Commissioner O. H. Caldwell, Zone 1, Outlines Aims and Purposes of New Plan

### VERY OPTIMISTIC

Today the Federal Radio Commis-sion carries out the latest radio mandate of Congress, that the radio broadcasting wave lengths, powers and other facilities be redistributed equally among all the citizens of the Republic—that is, be divided among the States and sections of the Nation.

This redistribution of the country's radio, ordered by the national lawmaking body, of course means the withdrawal of wave lengths from some States and communities which

mational spectrum was already full.
With such redistribution of wave broadcasting structure made inevitable by the "equalizing" amendment of the 1928 Act of Congress, it has been the concern of the commission, while faithfully carrying out the equalizing of "proportionality" feature of the act—to see that a high standard of radio service be restored to the American public, which has broadcasting structure made inevi-

continuing of proportionality restricted to the act—to see that a high standard of radio service be restored to the American public, which has suffered two years of interference and heterodynes growing out of the law's breakdown in 1826.

Had Expert Help

The best radio engineering talent in the country was accordingly consulted, and many months of study and analysis have been devoted to the problem by the Commissioners and the commission's engineering staint. The resulting plan, which became effective today, was announced to detail in September, and now, after sixty days of scrutiny by radio experts, the plan stands without a which self-could have been accommodated consistently with good radio.

It is the millions of rural listeners in the agricultural sections and in remote towns and villages who will be the chief beneficiaries of the new sarrangement—especially in their future opportunity to hear clearly distant large stations and the small stations in their own neighborhoods and farm listeners may also be expected on the forty high-power rural-service channels. And since these forty rural-service channels are assigned equally—eight to each out farther than has been possible.

watt and 1000-watt stations to reach STATION WIP ANNOUNCES since 1926.

The great class of local 100-watt stations has also been given particular consideration, since the plan provides for full-time assignments for Beginning Today It Divides Time such local community broadcasters. practically equaling in number the total of all the larger classes of broadcasters put together. These broadcast on a frequency of 610 kilolocal channels are indeed the only cycles or 491.5 meters, dividing time ones in the entire allocation where with Station WFAN on the same there is yet "room to spare." wave-length.

Of course, some stations and their Hateners may feel that the available wave lengths and time should have to the WIP schedule. The Newton been differently assigned. In such Coal Radio Forum, formerly heard on cases, the aggrieved station has only Thursday nights from 9 to 10, will to file with the commission an ap- take place now on Wednesday nights plication for the wave length, time from 9 to 10 o'clock. The Hajoca and power of some other stations in Musical Shower now being broadcast its vicinity to which it thinks itself on Thursday nights from 8 to 9 will better entitled than the station so be broadcast on Friday nights from 8

A public hearing will then be set, all stations and parties at interest ranked for this coming season are will be notified, and both the appli- | WIP Light Opera Company, La Marcant station and the defendant station will have the fullest opportunity Hawaiians, the Melodique Instruto present testimony by witnesses | mental Trio, the WIP Mixed Quartet, and affidavit, showing the public the WIP Symphony Orchestra and service each station is rendering, the Wanderers Male Quartet. After hearing the evidence, the commission will then assign the contested wave length in the best public interest.

Such hearings on the claims of contesting stations have been held on every available day since October 11, some of these hearings continuing all day long and until midnight, in order to expedite the fullest justice to all listeners and broadcasters. Other such hearings will continue after the reallocation date, until all cases have been fully gone into. Time will be required for the new

radio broadcasting set-up to get into good operating trim. Some 600 diff- | Canada Was Best Customer for Reerent transmitters are involved, circuits and antennas have to be reconstructed and frequency-control equipment must be readjusted. It August totaled 8460, valued at \$350,may be some days or weeks before 994, of which Canada, the best custhis vast broadcasting machine is tomer, took 4441, with Argentina secoperating as a smooth-working ond, taking 1626, according to De-

The patience of the public is therefore invited, with the knowledge that radio tubes were exported, valued at through the new plan there will \$73,328, and \$74,636 worth of transeventually be restored to the Amer- mitting sets and parts were hipped ican public radio broadcasting serv- abroad. The value of receiving-set ice without parallel in the history of components exported was \$313,273. the art. For the channels will be while the value of receiving-set aconce more "cleared" as they were in 1924 and 1925, while meantime the stations operating on them are, of course, in all respects-programs, tone modulation, frequency control and Werrenrath Sings "Songs of the power-much better equipped than formerly.

Announces Expansion in Business Donald MacGregor, secretary and Lehigh Coal and Navigation Comtreasurer of the All-American Mo- pany, presents the American baritone hawk Corporation, maker of the Lyric in a series of "Songs of the Late Radio, reports that more than 600 War" to be broadcast through WLIT, workers are now employed in the WEAF tonight at 7 o'clock.

# The Public Ledger Radio Dial Sheet and Station Directory

The Public Lenger Radio Dial Sheet and Station Directory, printed call letters, locations, power in watts and distances in miles by air line from STATIONS BY LOCATIONS below, lists United States and Canadian stations of 500 watts and above, and all local and nearby stations of less than 500 watts, under three dif-

mitters of the stations. In the majority of cases the studios and transmit-Under the heading, "Stations by Kilocycle Frequencies and Wave Lengths," stations are listed by kilocycle frequencies and wave lengths, "Under the heading, "Stations by Locations," the stations are listed beginning with the longest-wave stations. In this classification, which is alphabetically by cities, with call letters following. The locations here shown are the locations of the studios. This listing, it is believed, is found exclusively in the Public Lenger Radio Dial Sheet.

## FREQUENCIES AND WAVE LENGTHS

the dial si	with the longest-wave stations neet proper, spaces are provided noe logged may be tuned in at	for m	arking dial	setting	s so th
LOG	OF STATIONS	BY	KILO	CYC	LE
Keye   Me		DI	AL SETTIN	Watt	r)  Dist. in il Miles
550   545	WGR. Buffalo WEAO. Columbus WKRC. Cincinnati KFUO. St. Louis KSD. St. Louis KFDY. Brookings. S. D. KFJM. Grand Forks. N. D. KFYR. Blsmark. N. D.	1		750 750 500 500 500 500 500	280 400 500 808 808 1198 1210 1375
500   535				500 500 500 1000 3500 2500 1000	1265 1025 350 990
570   526.	WNYC. New York City WMCA. New York City WMAC, Cazenovia, N. Y. WSYR. Syracuse WRBN, Youngstown WWNC, Asheville, N. C	1	Ì	500 500 500 250 250 1000 750	83 190 228 305 556 790
580   516.	WPCC, Chicago WEM, Urbana, III, KUOM, Missoula, Mont. KMTR, Hollywood, Calif. KFLA, Los Angeles KXA, Seattle  WTAG, Worcester, Mass. WKAQ, San Juan, P. R.	1	<u> </u>	500 500 500 1000 1000 500	665 690 1993 2380 2385 2150
	WOBU, Charleston, W. Va. WSAZ, Huntington, W. Va. KSAC, Manhattan, Kan. WSUL Iowa City CJCA, Edmonton, Can. CKUA, Edmonton, Can. CHNC, Toronto, Can. CJSC, Toronto, Can. CKNC, Toronto, Can. CKNC, Toronto, Can.			500 250 250 500 500 500 500 500 500 500	1485 358 415 1141 908 2080 2080 330 330 330 330
590   508.	WCAJ. Lincoln WOW, Omaha KHQ. Spokane	1	1	500 500 500 1000 1000	2080   230   270   1180   1094   2150
610   491,	WTIC. Hartford WCAO. Baltimore WREC, Whitehaven, Tenn. WOAN. Lawrenceburg, Tenn. KFSD, San Diego, Cafif. KFBU, Laramie, Wyo. WFAN, Philadelphia WIP, Philadelphia	1.		250 250 500 500 500 500 500	180 90 908 740 2365 1595
620   482,0	WDAF, Kansas City WOQ, Kansas City KFRC, San Francisco WLBZ, Dover-Foxeroft, Mo- WDBO, Orlando, Fla. WDBO, Orlando, Fla.	1	1	1000 1000 1000 1000 1000 1000 1000	1037 1037 2518 990 1053 940 668
630   475,1	WMAL, Washington, D. C. WGS, Jefferman City, Mo. KFEU, Columbin, Mo. KFEU, Columbin, Mo. WGBF, Evansville, Ind. CJGX, Yorkion, Can.			250 500 500 500 500 500 500	2419 2079 122 905 919 660 520
650   461.3	CNRA, Moneton, Can.  WAIU, Columbus KFI, Los Angeles WSM, Nashville WEAF, Bellmore, L. I.	1	   	500   5000   5000   5000	2256   705   400   2385   683
670   447.5	WMAQ, Chlenge   KPO, San Francisco   WPTF, Baleigh, N. C.   CFAC, Calgary, Can.   CFCN, Calgary, Can.   CNEO, Ottawn, Can.	1		10000   5000   500   500   1800	680   2518   665   2040   2040
710   432.5	CNRC, Calgary, Can.   WLW, Mason, O.   WOR, Newsrk   WGN, Chicago   WLIB, Chicago	- <del>1</del>		500 500 1 5000 1 5000	395 2040 1 300 1 72 1 665
	CNRM. Montreal, Can. CFCF. Montreal, Can. CHYC. Montreal, Can. CKAC, Montreal, Can. WSB. Atlanta KMMJ. Clay Center, Neb	1	1	15000   1650   1650   750   1200   10000	665   460   460   460   460   1185
	WJR. Pontiac, Mich. WCX. Pontiac, Mich. WJZ, New York KFAB, Lincoln, Neb. WBBM, Chicago	1	j ,	5000   5000   30000   5000   25000	444   444   83   1180   665
780   384.4	WTAR, Norfolk WPOR, Norfolk, Va. WMC, Memphis KELW, Burbank, Calif, KNEC, Santa Monley, Calif.	x   x		500 500 500 500 500 500 500 500	288 220 288 878 2300 2383
790   879.5 800   874.8	KGO, Oakland, Calif.	1	1	5000 10000 10000 50000 50000	1280 1280 205 2516 500 1324 1051
820   365.6	WCCO, Minneapella WHAS, Louisville, Ky.	1	1	1 10000	985
840   856,9	CHCT. Red Deer. Can. CJBC. Toronto, Can. CKOW. Toronto, Can. CNRT. Toronto, Can. CKLC. Toronto, Can. CFCA, Toronto, Can.	1	İ	12500 1000 500 500 500 500 500 500	208 330 230 330 330 330 330
850   852,7 860   848,6	KWKH, Kennonwood, La. WWL, New Orleans KFQZ, Hollywood, Calif. WABC, New York WBOQ, New York	1	1	20000 5000 1000 5000 5000	1153 1090 2380 83 88
870   844.6	WLS, Crete, III. WENR, Chicago WBCN, Chicago	1	İ	5000   5000   5000	668 665 665
890   836.9	WGBI, Scranton, Pa. WCOC, Celumbus, Miss. KLX, Oakland, Calif. KPOF, Denver KFKA, Greeley, Col.	1	<u> </u>	250 250 500 500 500 500	108 108 1169 2516 1575 1570
900   333,1	WNAX, Yankton, S. D. KUSD, Vermillion, S. D. KFNF, Shenandoah, Ia.  WFBL, Syracuse, N. Y. WMAK, Martinsville, N. Y. WKY, Oklahoma City, Okla. WFLA, Clearwater, Fla. WSUN, Clearwater, Fla.	1		750   750   1000   1000   1000	1238 1143 1062 228 275 1256 1050
910   229.5 920   225.9	CFQC, Saskatoon, Can, CNRS, Saskatoon, Can, CJGC, London, Can, WWJ, Detroit, Mich,	1		1000 500 500 500 500 500	1050 2385 2764 1576 1570 1450
930   322.4	CHNS. Halifax. N. S. WIBG. Elkins Park. Pa. WDBJ. Roanoke, Va. WBRC. Birmingham. Ala. KGBZ. York, Neb. KMA. Shenandoah. In.	1 3 12	1	500 500 500 250 500 500 500	1334 2160 1485 10 325 775 1185
940   319.0	WCSH, Partland, Me WFIW, Hopkinsville, Ky. KOIN, Portland, Ore, KGU, Honolulu, H. I.	1		500 500 500 1000 1000 500	2516 2518 2518 2518 258 533 2419 5000
950   315,6	KMBC, Independence, Mo. KLDS, Independence, Mo. WHB, Kansas City KFWB, Los Angeles KPSN, Pasadena, Calif. KGHL, Billings, Mont.	1		1000	121 1018 1018 1037 2385 2323 1750
970   300.1	CJBC. Toronto. Can. CJBR. Regina, Can. CKCK. Regina, Can. CNRR, Regina, Can. CKGW. Toronto, Can. WCFL. Chicago KJR. Seattle	1		5000 500 500 500 500 5000	360 1310 1320 1320 1320 330 663 2160
980   305.9 990   302.8	WBZ, E. Soringfield. Mass.	1	CONTRACTOR AND A	50000 1 15000   500	254 200 268
	WHO. Des Malner, Iowa WOC, Davenport, Iowa WOAD, New York WHN, New York WENY, New York RGGF, Picher, Okla.	1		5000   5000   250   250   250   500	972 813 83 83 83 1075
020   293.9	WNAD, Norman, Okla. WPAP, New York CJRM, Moose Jaw, Can KQW, San Jose, Calif.  KYW, Chicago, III, KFKX, Chicago	1	1 1	500 500 500 500	1265 83 2080 2508 665 665

1000 | 278 5000 | 1293 10000 | 1293

					2.50	Baltimore, Md. WCAO	New York WM
	Station			1 Powe	r   Dist.	Beaum't, Tex.KFDM	New York W
	and Location			in in	a Dilles	Billings, Mont. KGHL	New York WP
Keye   Me	teral Location		SETTIN	OS		Bismarck, N.D. KFYR	New York WR
1050   28	5.5   WFRM, Indianapolis, Ind. KNX, Hollywood, Calif.	1	1 .	25000 5000	578 2380	Boise, Idaho KFAU	New York WA
1000 / 28	2.8   WBAL, Baltimore			1 5000	1 000	Boston, Mass. WEEL Boston, Mass. WHZA Boston, Mass. WNAC	New York WB:
- {	WJAG, Norfolk, Neb.			500	1155	Boston, Mass. WBIS Boston, Mass. WBET	New York WK
1070   280	.2   WAAT, Jersey City		1	1 200	1 70	Bri'pert. C. WICC Brook'n. N. Y. WSGH	N. York City W/1
1	WTAM, Cleveland	100		2500 1000	343	Brook'n, N. Y.WSDA Brook'n, N. Y.WLTH	Norfolk Va. WT
1080   27	7.6   WRT. Charlotte, N. C.	1	1	[10000		Brook'n, N. Y. WBBC	Norfolk, Va. WP
	WCBD, Zien, III. WMBI, Chicago	' 4		5000 5000	663 663	Buffalo, N. Y WKEN Buffalo, N. Y WMAK Buffalo, N. Y WGR	Manthit & Stine Street
1090   275	5.1   KMOX, St. Louis	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Control of the Contro		But. N. I. WKBW	Norman, Okia WNA Oakland, Calif. KT
1	KFQA, St. Louis	l l	1	5000	808	Burbank, Calif. KELW Calgary, Can, .CFAC	Oakland, Calif Ki
1100 272	WLWL, New York		1	5000	65 83	Calgary, Can. CFCN Calgary, Can. CNRC	Okla, City Wi
1110   270	.1   WRVA, Richmond		1	1 5000	1 205	- Camden, N. J. WCAM Cas'via, N. Y. WMAC Charlotte, N. C. WET	Ok. City. Ok. KF.
- 1	l KS00. Sloux Falls, S. D.		1	1 1000	1 1153	Charl'n, W.V., WOBU	Orlando, Fla WO
1120   267	.7   WFBR. Baltimore	L L	1	1 250	1 90	Chicago, Ill WLS Chicago, Ill WENR	Ottawa, Can. CNI Patters'n, N.J. WOL
1	WCOA, Pensacola, Fla.			500	935	Chicago, Ill., WBCN	Pensac'la, Fla.WCo
	KUT, Austin. Tex. KFSG, Los Angeles			500	1500 1500 2385	Chicago, Ill., WPCC Chicago, Ill., WMAQ	Philadelphia W
	KMIC. Inglewood, Calif. CFRC. Kingston, Can.			500 500	2385	Chicago, Ill., WGN Chicago, Ill., WLIB Chicago, Ill., WHIM	Philadelphia WF
1130   263.				1 500	1 310	Chicago, Ill., WJRT Chicago, Ill., WCFL	Philadelphia WN
400000 2400	KFKB, Milford, Kan.			1000 5000	1157	ChicagoKYW ChicagoKFKX	Philadelphia WAI Philadelphia WFE Phila. Pa. WCA
1140   263	.0   WAPI. Auburn. Ala.			1 5000	1 1920	- Chicago, Ill., WMBI Chicago, Ill., WGBS	Phila Pa W
The second second	1 Avoo. Tulsa, Okla,		1	5000 5000	1295	Chie. IIIWJAZ	Phila Pa WPS
1150   260.	.7   WHAM. Rochester	. 1	1	1 5000	1 205	Chie. IIIWORD	Phila. Pa WR
1160   258.	.5   WWVA. Wheeling. W. Va. WOWO. Ft. Wayne, Ind.		1	5000	1 276	Cincinnati, O. WLW Cincinnati, O. WSAI	Pittsburgh Pa. KDE
1170   256	.3   WCAU. Philadelphia   KTNT, Muscatine, Iowa				1 1140	Clarinda, Ia. KSO Clayton, Mo KPUO	Pittshigh, Pa., Ro
100 cm contraction and a second	The state of the s		1	5000	840	Clay Cen. Neb. KMMJ	Plain'd, N. J.WE!
1180 184	.1 WGRS. Astoria. L. I. WJJD. Mooseheart. III.		1	20000	792	Cirwater, Fia. WSUN Cleveland, O. WTAM	Portland, Me .WC:
_  .	KEX. Portland, Ore. KOB, State College, N. M.		1	10000	2419 1880	Cleveland, O. WHAR	Portland, Ore . KO Portland, Ore . KW
1190   252,	0   WRR, Dallas, Tex.	1	1	1 5000	1 1290	Col. Springs KFUM	Portinga, Ore., K.
7200 I 240	WOAL San Antonio. Tex.		1	5000	l 1500	Col. Sta., Tex WTAW Columbia, Mo.KFRU	Portland, Ore. KF. Pertland, Ore. KTI Portsm'th, Va. WSS
State of the latest and the latest a	S   WHIL Redbook N J		1	1 100	1 55	Columbus, MissWCOC Columbus, O. WEAO Columbus, O. WAIU	Pullman W. KW
	WIRL Redbank, N. J. WBAX, Wilkes-Barre, Pa. WJBC, Lewisburg, Pa.	T		100 100	102 110	Con. Is. N. Y. WCGU Council Bluffs ROIL	Raleigh, N. C.WP
1250   845			•	Control of the Control		Culver, Ind WCMA	Reading, Pa. WRA
1	6 WCAU, Pittsburgh WREN. Lawrence, Kan. KFKU, Lawrence, Kan.	1	1	1000	1072	Dallas, Tex., WEST	Red Deer Can CH
1230   243.	I KERU, Lawrence, Kan,			1 1000	1 1072	- Davenport, Ia: WOC	Regina, Can. CK
1	WHIS, Boston WPSC, State College, Pa.			500	268	DetroitWJR	Rosnoke, VA. WD
1	WFBM, Indianapolis			500 500 500	268 147 605 578	Denver, Col KOA Denver, Col KPOF	Roch'er, N. Y.WH. Roch'er, N. Y.WH.
	WCWK. Fort Wayne, Ind. KYA. San Francisco, Calif.			500 500 1000	578 536 2518	Denver, Col. KOW Dover-Ft., Mo. WLHZ	Rockford, L. KF
1240   241.			1	1 750	1 446	Des Moines, Ia, WHO Detroit, Mich. WWJ Dupont, Col. KLZ	San Antonio KT
	WJAD, Waco, Tex.			1000	1324	E. Claire, Wis, WTAQ	St. Louis, Mo.KMC
	WQAM, Miami, Fla. W10D, Miami Beach, Fla.	1		750 1000	1023 1023	Ed'ton, Can. CKUA Ed'ton, Can. CKUA Ed'ton, Can. CNRE	St. Louis, Mo. WE St. Louis, Mo. K
1250   230.	The second secon	•	•			Elkins Pk., Pa WING	San Diego, Cal KF
{	WODA, Paterson		1	1000 250	72	Fargo, N D WDAY	San Francisco KFI
- {	WAAM, Newark WGMS, Minneapolis WLB, Minneapolis			1000 1000	1 985	F. Wayne Ind WOWO	San Francisco KFV San Jose, Calif. KQ
	KFMX, Northfield, Minn.			1000	985 986 880 880	Ft. Wayne, Ind. WCWK	San. Monica. KNT
	KFON, Lenz Beach, Calif.			1000	2385 2376	Ft. Worth, Tex. KFQB Fraser, Mich., WGHP	Schenectady WO
	KEJK, Beverly Bills, Calif. KXL, Portland, Ore. KFAU, Boise, Idaho		!	500	2576	Galveston, Tex.KFUL Galnes'e, Fla.WRUF	Seattle, Wash K.
1000 1 000	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAME		1	1 1000	2419	Grand Rapids WOOD Gr. Forks, N. D. KFJM	Seattle, WashKX Seattle, Wash.KOM
1260   238.	WJAX. Jacksonville, Fig.			1000	275 788	Greeley, Col. KFKA Grove City, Pa. WSAJ	Shend'ah, Pa.KFN
	KEGV, Brownsville, Tex.		}	500	1614	Hallfax, Can. CHNS Hollzwood KNX	Spokane, Wash. Kl E. Spr'ld, Mass WI
1970 1 990	KOIL, Council Bluffs, Is.	- H I		f 1000	1 1072	Hollyw'd. Cal.KMTR	Syracuse, N.Y. WS!
1470   226.	WOOD, Grand Rapids, Mich.		{	1000	1000	Honolulu KGU Hopkinavl Ky WFIW	She'gan W. WHI
	WDSU, New Orleans KTW, Souttle, Wash, KFOA, Scattle, Wash, KFUM, Ogiorudo Springs	· · · · · · · ·		1900	2160	Hartford Conn. WTIC	State Cel. N.M.K.C.
1280   234	2   WCAM, Camden			1000	1 1570	Hot Spgs. Ark KTHS	So. Bend. Ind. WEI
}	WCAP, Asbury Park WOAX, Trenten			500	22	Hunt'n'n. W.V. WSAZ	Seattle, Wash, KT
	WDOD, Cuntrapports WDAY, Farge, N. D.		(	1000	658 1185	Indianapolis .WFHM India. Ind .WKRF	Seattle, Wash, KFO Superior, Wis, WEI Salt Lake City, KDT
•	WEBC, Superior KTAB, Oakland, Callf.	1	?	1000	965	Independ. Mo KMRC Independ. Mo KLDS Indianapolis WFRM	Salisbury, Md. WSM
1290   232.	4   WJAS, Pittsburgh	1		1142/45-12-130	1 254	Inglewood, Cal.KMIC	Starrs. Conn. WCA Sloux City. Ia.KSC St. Leuis. Mo. KW
	KTSA. San Antonia, Tez.			1000	1835	Jacksonville WJAX	St. Louis, Mo. WI
1000 1 000	KDYL, Salt Lake City			1000	1990	Johnst'wn, Pa. WHRP	Spokane, W. KFF Shr'port, La. KSH
1300   230.0	WHAP, New York			1000	79 83 85	Kan. C'y, Me WDAF Kan. City, Me, WOQ	Spok. Wash. KO Sas'toon, Can.CFC
	WEVD. Woodhaven, N. Y. WHAZ, Troy	1. 1		500	207	King, Can, CFRR	Sas'toon, Can.CNR Tacoma, Wash, KM
	KFH, Wichita, Kan, WIRW, Topeka			1000	1200	King'n, Can. CFRC	Tacoma, Wash KV
1	KGEF, Los Angeles KTBL Los Angeles			1000	2385 2385	Ketch'n, Alaska KGHU Knoxy'e, Tenn, WNOX	THE AND ME THE TREETED
	KTBR, Portland, Ore,			500	2419 8419	LaCrosse, W WKBH LaFa'te, Ind WHAA	Topeka, Kan, WIBY
1310   228.9	WSMD, Salisbury, Md.			1 100	1 110	Lancaster, Pa.WKJC Larasnie, Wyo.KFBU	Tor. Can CHN
	WNAT, Philadelphia WARY, Philadelphia			100 50 50		Lawr'bg. Tenn. WOAN Lawr'ce, Kan. WREN	Tor. Can CKN
	WFKD. Philadelphia WHRP. Johnstown. Pa.			100	207	Lawr'ce, Kan.KPKU	Tor Can CJB
	WEAW, Reading, Pa. WEAW, Reading, Pa. WSAJ, Grove City, Pa.			100	179	Lincoln, Neb., WCAJ	Tor. Can CKO Tor. Can CNR Tor. Can CKC
1	WHRE, Wilkes-Barre, Pa.			100	1 102	Lincoln, Neb. KFAB	Tor. CanCFC Tor. CanCFC
1320   227.1	WSJIB, New Orleans			1000	1090	Los Angeles KFWB	Tor Can
1330   225.4		1.00			A STATE OF THE PARTY OF	L. Angeles, Cal. KFI Los Angeles KGEP Los Angeles KTRI	Tulsa, Okla., KVO
	WCAC, Starrs, Conn. WTAQ, Fau Claire, Wis.	1 1		500 500 1000	151 206 885	Los Angeles KTBI Los Angeles KFSG L. Beach, Cal.KFON	Urbana, III. WR.
	I KSCJ. Sleax City, la.	1 1		1000	884	L. Rock, Ark.Kl.RA	Van'ver, B. C.CNR Vermil'n, S.D.KUS
1340   228.7	KMO, Tacoma, Wash.	1 1		500	468	Louisville, Ky WHAS	Viet. B. C CFC
- )	KVI, Nr. Des Meines. Wash,			1000	2159	Manha'n, Kan. KSAC Memphis, Tenn WMC	Wash'n. D.C. WMA Wash'gton, D.C. WR
1350   222.7	WHNY, New York	1 1		250	83	Mem'ls, Tenn, WGBC	Wash'n, D. C.WJS Whiteh'n, Ten WRE
	WCDA. New York WKRQ. New York	1 1		250 250	R3 R3	Miami Beach. WMBF	W. Grove, Pa. WAL.
-	WIL, St. Louis	20 3 2000		1000	ROR BOS	Milford, Kan KFRR	Weste't. Minn KST Worcester, M WTA
1360   220.4	WRET. Medford, Mass.			1 500	275	Miller. Ind WJKS Milwaukee WTMJ	Wilkes-Barre WHA
	WMAV. Sc. Darfmouth	1		500 300	275 1018	Minneapolis WCOO Minneapolis WLB Minneapolis WGMS	Wilm'on, Del WDE
1.	Wiks, Gary, Ind.	1 1		500	665	Minneapolis WRIM Minn'lis Minn.WRDI	Winn's, CanCK
1370   218.8	I WWPO, Aphura, N. T.	1		1 1000	220	Minn'lis, Min.WDGY Missoula, Mon.KUGM	Yankton, S.D. WNA
) .	WCRM, Bultimore			100	90	Montreal, Can CNRA	Youngat'n Can CJC
1000	WELK, Philadelphia			1 100		Montreal Can CFCF	Zion, Ill WCBI
1380 217.3	KOV, Pittshurgh			500	254	RADIO CHURO	CH SERVICE
- 1	WKBH. LaCrosse. Wis,			1000	900 853		¥ .5
1890   215.7	KIRA Little Rock Ark	1 1		J 1000	343	Dr. Cadman Sen	ds "Message o
	KUOA. Favetteville. Ark.	1		1000	1000	Armistice Day to N	den and Women'
1	KWSC, Pullman, Wash.			500 500	1575, 2447, 2150	A "Message of Men and Women of	Armistice Day to
1400   214.2						delivered by Dr. S	. Parkes Cadmar
	WITH, Breeklyn	1 1		500 500	RR RR	as his regular wee	ekly address over
	WRDA, Brooklyn			500 500	WRT -	o'clock. The Armi	s afternoon at
	WHAA. Lafavette, Ind.			500	600	will be followed as	usual with ques-
1410	WKBF, Indianapolis, Ind.	1 1		500	670	tions and answers !	by Dr. Cadman.
1410   212.6	WSRC, Bay City, Mich.			500	440	Processional "List of a	mn of the Rennblad
	WDAG, Amarillo, Tex.			1000	1350	Anthem "Pilgrim a Ch	d audience Warner
	WHDI, Minneapolis WDGY, Minneapolis			500	985 985	Serinture reading Dr	d orchestra
_1	WHBL, Sheboygan, Wis.			500	745 688	Response "Holy, Holy City") Instrumental, "The Pre	. Holy ("The Holy
1420   211.2	1 26	1 1		1		Anthem, "The Lost Che Male quartet a	ord Saint-Saen
1430   209.7	WICC, Easten, Conn. WHRL, Tilten, N. H.	1 1		500	175	● AP (2011年) 第二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十	triming the second line
	William Lemovee, Pa.			500 500	95	Instrumental to be sel	es Cadman
	WNBR: Memphia	1 1		500	87R	Anthem, "A Prayer o	f Thankagiving!
1440   208.2	WHEC Rechester WARO, Rochester	1 1		500	205	Questions and Answers	
	WARF, Kingston, Pa	1 . 1	1	500 500 258	205 100 98	Hyma, "America the Be	ea utiful!
1	WRAX. Philadelphia WNRC. Greensboro, N C.	1 1		250	RSA.	Prayer and Benediction	d audience
- 1	WTAD, Quines, Ill. WMBD, Peoria Heights, Ill.			500 500	855 770	"Sevenfold Amen"	a CadmanStainer
1450   ±06.8	WHMS, Un'on City, N. J.	1 1		1 250		\$2500 (CO) \$100 (CO)	
	WIRS, Elizabeth			250	89 73 78	ELECT NEW F	KESIDENT
1	WKRO. Jersey City	1 1		250	70 843 242	Burton Greene Nam	ned Chief Execu-
	WFJC. Akren KSRA, Shreveport, La. WTFI, Toccoa, Ga.			1000	1153	tive of Er	1000000000000A321001ee-237000A-64344A4A7294A43
1460   205.4	WIFI, Toccoa, Ga.	1 1		500 1	468	Burton Greene, vi	ce president and
1	WJSV. Mt. Vertion H., Va.   KSTP. Westcott, Minn.	1 1		110000	122 890	general manager o	f Electrical Re-
1470   204.0	WERW. Amberst. S Y. KFJF, Oklaboma City. Okla.	1 1		5000 1	278	search Laboratories manufacturers of E	rla radio enno
	WRUF, Gainesville, Fla.			5000 5000	1256 795 2159	ratus, succeeds Geor	ge A. Pearson as
1480   202.6	WJAZ, Mt. Prospect. III.			And the second		president of that co	ompany.
	WHT, Deerfield, III.	1 1		5000 I 5000 I	665 715	He was formerly C eene-Brown Man	president of the
PERSONAL PROPERTY.	WIBO, Desplaines, Ill.			5000 5000	715 663	pany, Chicago powe	r-unit manufac-
	PATRICIA DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA C	THE RESIDENCE OF THE PARTY OF T	STATE	1 5000 X	687	turers, recently men	rged with Elec-
1490   201.6	WRAW. Nashville WLAC. Nashville	1 1		5000	663	trical Dassers	ma familian be
1490   201.6	WLAC, Nashville WTBQ, Wilmington, Del.	1 1		5000	683	trical Research Labo	a coming land
1	WLAC, Nashville WTBQ, Wilmington, Del. WCBA, Allentown WSAN, Allentown	1 1		106	-	consolidation with a	a coming large
1	WLAC, Nashville  WTBQ, Wilmington, Del.  WCRA, Allentown  WSAN, Allentown  WALK, Willow Grove  WOO, Philadelphia	1 1		106   100   100   50	683 68 68 68 10	consolidation with a leading manufacture	a coming large number of other rs of radio appa-
1	WLAC, Nashville WTBQ, Wilmington, Del. WCBA, Allentown WSAN, Allentown WALK, Willow Grove			106 100 100	-	consolidation with a	a coming large number of other rs of radio appa-
1	WLAC, Nashville  WTBQ, Wilmington, Del.  WCRA, Allentown  WSAN, Allentown  WALK, Willow Grove  WOO, Philadelphia	11		106 100 100 50 100	-	consolidation with a léading manufacturer ratus have been ne	a coming large number of other rs of radio appa-

Revision of Allocations List Issued Several Weeks Ago

Washington, Nov. 10.-(AP)-Rein September by the Federal Radi Commission and effective today provides for changes in the frequencle of several leading stations in various parts of the country. A few of these are assigned to clear channels and

others consequently lose then Iowa is given one clear channel with WOC, Davenport, and WHO.

Oil City. Pa. WLBW KYM, Chicago, is shifted from Orlando, Fla. WDBO 1000 to 1020 kiloycles, another clear Patters'n. N.J. WODA channel with full-time operation.

### WWJ Goes to 920 Kc.

WWJ, Detroit, loses its clear chan-nel on 820 kilocycles and will operate on 920 kilocycles, a regional channel shared at night by two other sta-KYW Philadelphia WFKD tions, KPRC, Houston, and KOMO, III. WMRI Phila Pa. WOO Seattle. There is no time division with Phila Pa. WPSW requirement, however.

WIT Phila Pa. WELK WHAS, Louisville, is transfer of the WIBO Picher. Okia KGGF from 1020 to 826 kilocycles, and the WIBO Picher. Okia KGGF from 1020 to 826 kilocycles, and the WIBO Picher. Okia KGGF from 1020 to 826 kilocycles, and the Wibo Picher. Okia KGGF from 1020 to 826 kilocycles, and the Wibo Picher. Okia KGGF from 1020 to 826 kilocycles, and the Wibo Picher. Okia KGGF from 1020 to 826 kilocycles, and the Wibo Picher. Okia KGGF from 1020 to 826 kilocycles, and the Wibo Picher. Okia KGGF from 1020 to 826 kilocycles, and the Wibo Picher.

clear channel, with full-time or Pittsburgh ... WJAS

Cincinnati, O. WKRC Pitishurgh WCAE
Ciarinda, Ia. KSO Pitishurgh Pa. KGV
Clayton, Mo. KFUO Phoenix, Ariz. KFAD
Clay Cen. Neb. KMMJ Plain'd, N. J. WEAM
Clay Cen. Neb. KMMJ Plain'd, N. J. WEAM
Clay Cen. Neb. KMMJ Plain'd, N. J. WEAM
Clay Cen. Neb. KMMJ Plain'd, N. J. WEAM
Clay Cen. Neb. KMMJ Plain'd, N. J. WEAM
Clayton one regional channel to amCleveland, O. WTAM Portland, Ore. KGW
Cleveland, O. WTAM Portland, Ore. KGW
Clayton, M. KERC Pitishurgh WCAE

tion.

WTMJ, Milwaukee, is changed
from 570 to 620 kilocycles, a shift
from one regional channel to amother. Five other distant station Cle land, O. WHR Portland, Ore KWJJ are on the same frequency.

Cul. Springs KFUM Portland, Ore KEX

Cul. Sta., Tex WTAW Portland, Ore KEX

Col. Sta., Tex WTAW Portland, Ore KFJR

Columbus, MissWCOC Portsm'th, Va., WSEA

Columbus, MissWCOC Portsm'th, Va., WSEA

Columbus, MissWCOC Portsm'th, Va., WSEA

broadcast on 1260 kilocycles, p. 50 channel on 1140 kilocycles and will broadcast on 1260 kilocycles, a re-

Columbus. O. WEAO Providence ... WJAR Columbus. O. WEAO Providence ... WJAR Columbus. O. WAIU Pullman W. .. WWSC Con. Is. N. Y. WCGU Quines. III. WTAD Council Bluffs KOIL Raleigh. N. C. WPTF Corvallis. Ore ... KOAC Reading. Pa. WRAW Culver. Ind ... WCMA Red Bank. N. J. WJR. Dallas. Tex. ... WRIT. Red Deer Can. CHCT Dallas. Tex. ... WFAA Regina. Can. ... CUBR time with WAPI, Auburn, Ala. time with WAPI, Auburn, Ala.

Another Shift In the original plan WSAI and WLW, both operated by the Crosle Radio Corporation of Cincianat

Denver, Col. KOA Rochester WHAM
Denver, Col. KURP
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France, N. WIDD
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Fr

Effective Sunday, November 11 Station WFAN will go on the fol-Monday evenings, up to January 21, 7:30 P. M. to 8:30 P. M.

Tuesday evenings, 7:30 to mid-Thursday evenings, 7:30 to m Saturday evenings, 7:30 to m

Sunday, opening to 10 A. M., and 3:30 P. M. to 9 P. M. Under this new allocation radio fans will be able to tune in on WFAN and WIP on the exact wave that WEAF formerly occupied.

### RADIO IN RUSSIA

Miami Beach. WMBF W. Grove. Pa. WALK.
Miami. Pla. WQAM Wheeling WWVA
Miami Beach WIOD Weste't. Minn KSTP
Milford. Kan. KFRB Worcester. M WTAG
Miller. Ind. WJKS Wilkes-Barre WHAX
Milwaukee . WTMJ Wilkes-Barre WHAX
Minneapolis . WCOO Wichita. Kan. KFR
Minneapolis . WLB Wilm'on. Del. WDEL
Minneapolis . WGMS Wil'ton. Del. WTBQ
Minneapolis WRHM Winn'g. Can. CKY
Minn'lis Minn WRDI Winnig Can. CNEW
Minn'lis Minn WRDI Winnig Can. CNEW
Minn'lis, Min WDGY Yankton, S.D. WNAX
Missoula. Mon. KUGM York. Neb KGFZ I
Mone'n. Can. CNRA Yorkton, Can. CNEX Moscow.-Russia has sixty-seve broadcasters and 255,000 receiving Montreal, Can CERT Zion, Ill. ... WCED installed in some places for the bean fit of an entire town.

> Radio-Church School Cincinnati.-A radio-church school is conducted by the editorial staff of the Methodist book concern.

### Commission Defines Limited-Time Clause

A "limited-time" broadcasting station has been defined by the Radio Commission as a station which, under its license from this commission, is permitted to operate during hours allowed daytime broadcasting stations as specified in general order No. 41, and in addition during certain time temporarily not used by the unrestricted station or stations on the same frequency.

An example is the use of late

evening hours by a limited-time broadcasting station in the West after the closing of an Eastern station on the same frequency. A limited-time broadcasting station desiring to operate after sunset shall so notify the commission which will ascertain what hours the use of which is not desired by the unrestricted station or stations on the same frequency, and will thereafter authorize the operation of the limited-time station accordingly, subject, however, to the right of said unrestricted station or stations to reclaim the use of such hours upon reasonable notice to the commission and to the limited-time broadcasting station.

A limited-time broadcasting station will not be permitted to operate at any time when its operation will cause heterodyne interference with other broadcas stations assigned to the same frequency.

Dallas, Tex KRLD Regina, Can. CRCR
Davenport, Ia: WOC Regina, Can. CNRR
Detroit WJR Richmond, Va. WRVA
Detroit WCX Roanoke, Va. WDBJ
Denver, Col. KOA Rochester WHAM
Denver, Col. KPOF Rocher, N. Y. WHEC
Denver, Col. KOW Rocher, N. Y. WABO
Denver, Col. KOW Rocher, N. Y. WABO
Detroit, Mich. WWJ
Detroit, Mich. WWJ
Data Col. KIZ San Antonio, KTSA

Regina, Can. CRCK Regina, Can. CNRR

### **ELECT NEW PRESIDENT**

Chicago plant of the company. The office staff has been greatly increased, especially in the accounting, sales and advertising departments.

Songs of the Late War—

"Oh. Red Is the English Rose". Foreyth

"A Khaki Lad"

"The Soldier"

"The Soldier"

"The Cost"

"The Cost"

"The Americans Come"

"The Americans Come"

"The Americans Come" 1030 | 291.1 | CNRV. Vancouver, B. C. 1040 | 288.3 | WKEN, Buffale WFAA, Daline, Tex. KRLD, Daline, Tex.

cessories exported was \$195,615. OLD COMPANY'S PROGRAM Late War" Tonight The next in the series of Old Company's programs, featuring Reinald Werrenrath and sponsored by the

ITS BROADCAST SCHEDULE

With WFAN on 492

Beginning today, Station WIP will

Station WIP will broadcast every

Monday, Wednesday and Friday

Several new features will be added

Other musical features being ar-

quise Concert Ensemble, the Four

In addition to the above, several

complete performances of grand opera by the Philadelphia Civic Opera

Company are to be broadcast, and

many interesting Sunday night fea-

tures are being arranged for radio

The WIP engineering staff, under

the direction of Edward A. Davies

director of WIP, worked all night last

night changing antenna equipment to

conform to the new broadcasting con-

**AUGUST RADIO EXPORTS** 

celving Sets

ceiving sets during the month of

During the same month also 42,624

partment of Commerce reports.

Washington.-Exports of radio re-

nights from 6 o'clock until midnight.

to 9 o'clock.

UNDER NEW ALLOCATIONS

Pointed Advice Given All Stations by Radio Commission's Chief Engineer, Dr. Dellinger

ENFORCEMENT TO BE RIGID

Washington, Nov. 10 .- "The success of the new allocation of broadcasting stations is closely bound up with the accurate adjustment of the different stations to their assigned frequencies," said Dr. J. H. Dellinger, chief engineer of the Federal Radio Commission, in discussing changed frequency conditions.

"There is every reason to expect," he cont'nued, "that the new allocations effective today will bring greatly increased service to the radio listeners. This is based, however, unequivocally upon the rigid adherence of each station to the frequency assigned Not only the commission but the broadcasters in general realize th's fully and it is expected that the stations will all operate on their new frequencies with accuracy.

"It has been brought to my attention that an impression has become current that the commission would allow a period of grace during which frequency variations would be tolerated. Th's rumor is groundless. "The new allocation was announced

two months ago. The commission secured the co-operation of the two branches of the Department of Commerce concerned in frequency measurements to aid all stations in the adjustments to the new frequencies. new adjustments.

"In addition, the commission issued s general order giving all stations

"Satisfaction in Every Case"

AT LAST!—and value you have never seen or heard before.

Ask Your Radio Dealer for Demonstration. Distributed by

ROYAL ELECTRIC SUPPLY CO.

A Radio whose equal in beauty, operation

**Edison Console Combination** 



Handsomely carved from solid walnut in exact reproduction of Italian Credenza, with rich polychrome motifs, this console houses both the new Edison radio receiver and electrically operated phonograph. It also has built-in phonograph record containers and Peerless dynamic loud-speakers. The Girard Phonograph Company, Broad and Wallace streets, is the distributor

The Bureau of Standards made spe- freedom to make tests on the new some changes in the allocation from "It is true that there have been after.

cial arrangements to calibrate fre- frequencies during late night hours, the original announcements two quency standards and the radio su- The stations in general have pro- months ago, but these have been pervisors of the Department's radio ceeded in accordance with these ar- relatively minor, and it is believed division placed themselves at the dis- rangements and have taken the nec- that the changes will not interfere posal of stations, to co-operate in the essary measures to assure accurate materially with the general prevaoperation on the new frequencies lence of accurate frequency operawhen they go on the air November 11. tions today and immediately there-

> "The radio supervisors of the De- 5423 N. 5th partment of Commerce have been instructed to make special arrangements to measure the frequencies of all radio stations on November 11 or as soon thereafter as possible. Stations which are not operating correctly on the new frequencies will not be allowed to continue on the air. The commission has issued licenses to the stations on the frequencies effective today, and can only advise any station to remain off the air which has not placed itself in a position to operate on its assigned fre-

order discontinuing the use of apparatus employing damped-wave emissions. The order follows: On and after January 1, 1929, no license will be issued for the operation of any radio station (other than ship stations) having a transmitter

employing damped-wave emissions.

All such stations now operating under authority granted by the Fed-eral Radio Commission and having transmitters employing damped-wave "On Moonlight Bay"

Ensemble with steel guitar

"Saxannella"

Baxophone solo

"Gateway to Dreams"

English emissions shall discontinue such use and shall replace such transmitters \_\_\_LET US DEMONSTRATE\_\_\_ with apparatus employing continuous waves or modulated continuous wave

emissions prior to January 1, 1929. Any licensee who is unable to comply with this order within the period specified because of reasons beyond his control may upon application ELECTRIC, RADIO and a proper showing to the commis-sion obtain a reasonable extension of

TANDAR

611-Market Street-1536 and Stores All Over Town

ATLANTIC CITY HEADQUARTERS

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Home Demonstrations-Quick Delivery

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LYRIC RADIO-

Easy Terms Free Demonstration

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13 W. Benedict Ave.

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PEMBERTON HEADQUARTERS

LYRIC RADIO

Home Demonstrations-Quick Delivery

**ALLEN HIPPENSTIEL** 

Pemberton, N. J. Phone 17

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CENTRAL HEADQUARTERS

LYRIC RADIO

Reliable Service-Prompt Delivery

PENN SPORT CO.

413 Market St. MARKET

LYRIC RADIO

Expert Service-Quick Delivery

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20th and Haines Sts. Hancock

Quick Delivery-Phone Camden 4800

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LYRIC RADIO\_

JOS. RUTTENBERG

said period. I am interested in a free dem-All radio supervisors are requested to make inspections and reports where necessary, to the end that the terms of this order may be strictly complied with.

HERBERT OPERA SELECTIONS FEATURE SYLVESTRE HOUR

Theodore Webb, Baritone, Is Guest

Soloist Over WEAF A selection from Victor Herbert's opera, "The Red Mill," opens the weekly Sylvestre hour, to be broadcast through WEAF today at 12:30 o'clock. Theodore Webb, baritone, is the guest soloist on this date and will | 2116 Pacific Ave., Atlantic City, N. J. sing two songs by Stuart, "In the Shade of the Sheltering Palm" and "The Bandolero." He will also be heard in "My Sword," from "The

WE HAVE THE LYRIC RADIO Quick Delivery-Terms if Desired Yackle's Radio Store 1336 N. 17th St. Stev. 5668

Headquarters LYRIC RADIO Terms if desired-Quick Delivery John J. Reifsneider & Son

Wav. 0950 LYRIC RADIO

R. K. MERTZ 1326 Linden Street ALLENTOWN, PA.

-LYRIC-RADIO CASH or TERMS Free Demonstration PASSON 507 Market St.

Commission has issued a general Three Musketeers," and Tosti's "Mat- | "The Bandolero" Baritode solo

Sleeping Beauty Walts' ... Tschalkowsky "In the Shade of the Sheltering Palm"
"My Sword." from "The Three Musketeers"

"Kidde Kapers"

"Resemble the Sheltering Palm"

Stuart

Frimi Steel guitar ..... Berlin "The Whistler and His Dog" ...... Pryor

=AUTHORIZED DEALER=

Kensingten Headquarters CASH OR TERMS

COLLINGDALE HEADQUARTERS L. A. WAGNER

OVERBROOK HEADQUARTERS Moinita ELECTRIC RADIO J. H. ROLAND 6014 LANSDOWNE AVE.



# America's Greatest Value!

THE new Steinite Electric AC Radio is America's greatest radio value. You need only see and hear it to understand the sensational popularity which has made Steinite a famous name in radio!

The new Steinite is simple—as no other set ever has been. It is sturdy-far sturdier than others think a set need be. It is so natural in tone, and so thrilling in results that you will find a new pleasure in radio.

Cabinets of Beautiful Wood

Besides, it is beautiful! The table model is of Tanguile, most beautiful of all Philippine woods. The consoles are made of American black walnut veneers, with burl walnut over-lays. All models are finished in genuine Duco to enhance and preserve the original beauty

of these fine woods. The single illuminated drum dial, the wonderful new volume control, the antenna compensator and switch are all conveniently grouped within the richly finished antique bronze escutcheon plate—controlled from your finger tips! A phonograph jack for reproducing records through the receiver with a magnetic pick-up is conveniently placed.

Free Demonstration-Write or Phone!

Phone your nearest Steinite dealer for a demonstration—or go to see him. When you have seen and heard this wonder-set, and observed its sturdy, battleship construction, you will be amazed at the low prices made possible by Steinite's "one-profit manufacture" policy. The Steinite Radio Co., 506 S. Wabash Ave. Chicago. Factories: Atchison, Kansas.

# Schimmel Electric Supply Co.

526 Arch Street, Philadelphia

Exclusive Wholesale Distributors, Eastern Penna., Southern Jersey and Delaware Dealers Communicate for Franchised Agency

### 145 N. Fourth St., Philadelphia Washington, Nov. 10. - To lessen Market 1118-0 radio interference, the Federal Radio Tune in WLIT-8 to 8:30 P. M., Sun., Nov. 11. HEAR CASE CONCERT

37th Anniversary Sale! Buy Now! Pay in January 1929 Special Anniversary Offer!

TRADING

To Every Purchaser of One Dollar's Worth or More! Series Nos. 815 & 816 Good in any Yellow Trading Stamp Book - no matter how many other "extra" stamps you

may already have.

HATS TRIMMED FREE OF CHARGE

# Lit Brothers

One Yellow Trading Stamp With Every 10c Purchase All Day

Market: Eighth: Filbert: Seventh

Buy Now! Pay in January!

Every day brings special Anniversary Sale advantages!

Radio's Realistic Close-Up!
Regent 4949. Open Evenings. RIHL BROS. Open a Charge Account if \_424 E. Girard Ave.you do not have one here and share these rare savings.

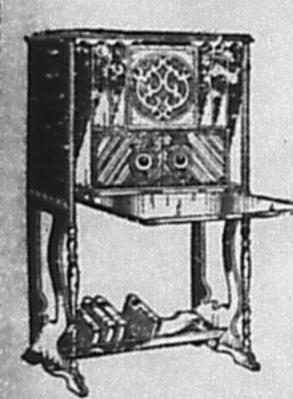
Step Into Our Radio Salon and Hear a Demonstration of These Wonderful Instruments!



Electric Radios

Complete With All Tubes and Speaker!

A splendid set with standard equipment! Marvelous receptive powers-wonderful tonal qualities-just plug into any electric light socket.



# New Atwater Kent Electric Radio In Desk \$162 - Model Cabinet

Complete With Atwater Kent Speaker!

A magnificent walnut cabinet . . . the splendid Atwater Kent Radio . . . standard equipment! A superb piece of furniture . . . something you will be proud to own . . . to place in your home!

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ation . . . splendid volume . . beauty of cabinet . . . all in this magnificent combination instrument!

VICTOR Orthophonic Phonograph Model 440



\$165

Tonal qualities that will captivate you. Beautifully designed cabinet.

\$10 Down On Each

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A LL-AMERICAN Mohawk LYRIC control. Simplified operation -starconstructed-the high state of perfection attained only through long years of experience and experimentationassure the utmost in Radio and guarantee permanent satisfaction.

Radios are more than a tempo- tling realism—amazing volume. rary triumph. The scientific princi- RADIO'S REALISTIC CLOSE-UP! ples upon which LYRIC Radios are Strikingly beautiful in design and finish. To know the supreme satisfaction of LYRIC performance—to fully realize the remarkable economy in the lowprices quoted-see and hear these super-radios today. A wide variety of Equipped with the original one dial handsome models to choose from.

PHILADELPHIA MOTOR ACCESSORIES CO. 3127-29 N. Broad St., Phila., Pa.

### TODAY'S FEATURES

9:00 A. M .- WJZ: NBC Children's Hour. 12:30-WEAF: Sylvestre Hour.

1:30-WLIT, WEAF: Peerless Reproducers.

and nearby stations, is printed in this radio section.

2:00-WLIT: Public Ledger concert; address by Gordon W. Haines, commander, United States Navy; Benjamin Franklin Concert Orchestra, W. Irving Oppenheim, director; the Schumann Club, Frederick F. Leonard, director; Harmonica Band, Albert N. Hoxie, director; Alice Wightman, accompanist.

WJZ: The Roxy Stroll; Vascha Bunchuk, cellist. 2:30-WCAU: Fox Weis Fur Trappers in the North Woods.

WEAF: Frances Paperte, soprano. 3:00-WCAU, WABC: Symphonic Hour. 4:00-WCAU, WABQf Cathedral-Hour,

WJZ: Armistice Day services; Major General Henry T. Allen. chairman.

5:00-WCAU: Hoxter Jubilee Singers.

5:35-WEAF: Arcadie Birkenholz, violinist. 6:00-WCAU: Household Finance program; Landay Sisters. WFL WEAF: Stetson parade, with the Weymouth Post, American

Legion Band. 6:38-WLIT, WEAF: Acousticon Hour.

WJZ: Whittall Anglo-Persians, war songs. 7:00-WCAU (half hour): Booth Family Hour; address, "Armistice Day," by Judge Frank Smith. WLIT, WEAF (half hour): Old Company's program; Reinald

WJZ (one hour): The Spotlight Hour; operettas of Victor Her-7:30-WEAF (hour and a half): Music by Major Bowes' Family from

Capitol Theatre. 8:00-WLIT (half hour): Royal Electric Mixed Quartet.

8:15-WJZ (one hour): Collier's Radio Hour; Rodger Babson, speaker. 8:39-WCAU, WABC (half hour): La Palina Hour; Olive Kline. WLIT (one hour): Trilling and Montague Hour; Martha Everett,

contralto; Virginia Snyder, accompanist. 9:00-WCAU, WABC: Majestic's Two Black Crows; Arnold Johnson's Orchestra.

9:15-WFI, WEAF, WJZ (one hour): American Legion Armistice Day program; President Coolidge, John J. Pershing and Paul V. Mc-Nutt, speakers; United States Army Band.

10:00-WIP: WIP Little Symphony Orchestra; Clarence Puhrman, director; Armistice Day scenes; Frederick Homer, baritone. WCAU, WABC (half hour): De Forest Audions; war songs.

10:15-WFI, WEAF (one hour): Atwater Kent Radio Hour; Maria Kurenko, soprano. WJZ (one hour): Lew White Ensemble.

10:30-WCAU, WABC (half hour): Come to the Fair.

11:00-WABY: Travesty on "Porgy"; Billy Soslow, master of ceremonies.

# Public Ledger Radio Timetable

7:00—WJZ. 8:00—WCAU. 10:15—WEAF, WFI, WJZ.

Local Broadcasts

TIME SIGNALS

0:20 A. M .- WFI: Arch Street Methodist Episcopal Church service; sermon by Dr. Harold Nichols; selections by Church Quartet: Ethel Righter Wilson, soprano; Alice Fiddler Decker, contralto; Frank Ogelsby, tenor; Arthur Seymour, baritone; Walter St. Clare Knodle, organist

10:30-WABY: Colonial Radio Hour. 10:45-WIP: Holy Trinity Church services; the Rev. Floyd W. Tomkins, rector, WCAM: St. John's P. E. Church. 11:00-WIBG: St. Paul's Church services:

the Rev. Philip J. Steinmets, rector. 11:15-WRAX: Berachah Church service; the Rev. Norman Davis, of Nigeria, West Africa, speaker. 12:00 neon-WABY: Reliance Tallering Com-

5-WCAU: Studio program. 6-WCAU: Fox-Weis Fur Trappers in

WIBG: St. Paul's Church services; the Rev. Philip J. Steinmetz, rector. WRAX: Herachah Church services; the Rev. Herbert Hogg, pastor; Mrs. Viola 4:30-WFI: Chapel services, auspices Church Federation of Philadelphia; the Rev. Howard E. Hand, paster of Park Avenue M. E. Church.

5:30-WCAU: Hoxter Jubilee Singers.
5:30-WCAU, WABC: Tenth Presbyterian Church service, the Rev. Donald G. Barn-6:00-WCAU: Household finance program;

Landay Sisters.
WFI, WEAF: Stetson Parade, with the Weymouth Post American Legion Band. 6:15-WFAN: Green's Hotel Orchestra. 6:36-WCAU: Paul J. Devitt Orchestra: Sing Song Man. WLIT, WEAF: Acousticon hour,

6:45-WFAN Golden Dragon Orchestra. 7:00-WCAU (half hour): The Booth Fam-ily Hour: address. "Armistice Day." by Judge Frank Smith. WLIT, WEAF (half hour): Old Company's program; Reinald Werrenrath, :15-WFAN: Laurel Stylists.

7:30-WCAU (half hour); Central Pioneers; Kipling's famous poem, "Recessional," WFAN (half hour); Cathay Tea Garden WLIT (half hour): Eylvania Concert Or-WABY: R. S. Milner & Son hour, presenting Eleanor Landy, Rose di Nardo, Mary Anderson, John L. Frazer, Jack Hunters, 8:00-WCAU (half hour): The Blum Store Fashion Corner, WFAN; Kamholts Girls,

WHOLESALE DISTRIBUTORS NEWCOMBE - HAWLEY FRANKLIN ELECTRIC CO.

Phila., Pa.

50 and 52 N. 7th St. 90-WCAU, WABC: Cathedral Hour.



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THE exquisits design of this remarkable dynamic reproducer appeals instantly to everyone. The ample volume and fine tone quality surprises his handy portable dynamic reproducer in

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WLIT thalf hear); Royal Electric Mixed

8:15-WFAN: Jefferson Hawalians. 8:50-WCAU, WARC (half hour); La Pa lina hour: Olive Kline. WLIT (one hour): Trilling & Montague

concert hour; Martha Everett, contralto;

Virginia Snyder, accompanist. WABY: Armistice program; Ratph J. Borrelli, featuring memories of France.

8:45-WFAN: Palmer program.

9:09-WCAU. WABC (one hour): Majes-tic's Two Black Crows; Arnold Johnson's Orchestra.
WABY: Porreca Electrical Program.
9:15-WFL WEAF (one hour): American Legion Armistice Day Program: President Coolidge, John J. Pershing and Paul V. McNutt. speakers: music by the United States Army Band. 9:30—WABY: Carson's Jewish Radio Hour 0:00-WIP: WIP Little Symphony Orcheatra. Clarence Fuhrman, director, from Germantown Theatre: Armistics Day scenes; Frederick Homer, baritone. WCAU, WABC (half hour); Do Forest

Audions: war songs. Kent Radio Hour Maria Kurenko, so-10:30-WCAU, WABC (half hour): Come to WARY: Songs: Eleanor Landy. Ray Mellinson, Frank Capano, Mary Anderil:90-WABY: Travesty on "Porgy." by Irving C. Miller's Gay Harlem Company: also Creola Company: Billy Sociow, master of ceremonies.

Out-of-Town

9:00-A, M.-WJZ: NBC Children's Hour, 11:00-WJZ, WEAF: Armistice Day silence 12:30-WEAF: Sylvestre Hour.
1:00-WJZ: National String Quartet.
WEAF, WLIT: Peerless Reproducers.
1:30-WJZ: White House dinner music. :00-Waz: The Roxy Stroll: Vascha Bu WEAF: Biblical drama, Naboth's Vine-

1:00-WEAF: Frances Paperte, soprano. 1:00 - WJZ: Young Peoples Conference; "Who Won the War?" by Dr. Daniel A. WEAF: "Shall It Be War or Peace?" by 1:00-WJZ: Armistice Day services in Connecticut with International Good Will Congress: Metropolitan Opera House: speakers. Hon. George Scapini, member French Chamber of Deputies: the Rev. Dr. Frederick W. Norwood. City Temple. London: chairman, Major General Henry WEAF: "Angels Standing in the Sun." S. Parkes Cadman. a:30-WJZ: "True and False Nationalism," by Dr. Harry Emerson Fosdick. Summary of programs.

5:35-WEAF: Arcadie Birkenholz, violinist, 6:00-WEAF, WFI (half bour): Stetson Parade with the Weymouth Post American Legion Band, 6:36-WJZ (half hour): Whittall Angle WEAF, WLIT (half hour); 7:00-WJZ (one hour): The Spotlight Hour;

WEAR, WLIT (half hour): Old Com-pany's program; Reinald Werrenrath. 7:30-WEAF (hour and half): Musical program by Major Bowes' Family, from the Capitol Theatre. 8:00-WJZ (quarter hour): Enna Jettick WDEL: Church services. WMCA: Orches

PUBLIC LEDGER-PHILADELPHIA, SUNDAY MORNING, NOVEMBER 11, 1928

Haur: Rodger Babson, speaker, 8:30-WABC: La Palina Hour, WBBR: Bible lecture, WOR: World-War Pano-:00-WEAF (quarter hour): "Our Governwanc: Two Black Crows. WHAP: Music WNCA: Jewish Hour. 9:15-WJZ, WEAF, WFI; American Legion Armistice Day program: President Coolldge, General John J. Pershing and Paul V. McNutt, speakers: United States WHAP: Reading. WPG: Orchestrs.

9::10-WHAP: Reading.

10::08-WABC: De Forest Audions. WMCA:
Orchestra. WPG: Musicale.

Orchestra. WPG: Musicale.

10::15-WJZ (one hour): Lew White En-WEAF, WFI; Atwater Kent Radio Hour.

10:30.—WARC: Come to the Fair 11:00.—WARC: Ensemble, WOR: Tapa, WMCA: Rendezvous, WPG: Organ, KSTP; KOMO: Church services. WHN: Organ. WDAF: Amos 'n' Andy. KNX: Orchestra. 1:30-WHN: Orchestra.
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8:15 - WJZ (one hone): Collier's Radio

Effective Tomorrow, With Dedication of New Quarters in Elks Home Tuesday

Station WIAD, formerly located in prominent Philadelphians will attend. the Hotel Vendig, but lately trans-

This change will go into effect to- announced.

morrow, but the new transmitter and ! improved studio equipment of this station will be formally dedicated on Group Will Sing Series of Fa

The dedication exercises will be opened by officers of the Philadelphi Lodge, B. P. O. E., No. 2; George H. Wobensmith, exalted ruler; Harry S. Goldstein, esteemed leading knight; Edward A. Kellyr esteemed loyal knight; John A. Conway, esteemed lecturing knight; William F. Wolff, treasurer; P. Ralph Yocum, secretary; Jack Schilfer, chairman of Board of Bartlett, trustees; city officials and

Other features that night will inferred to the Euks Home, Broad and clude leading theatrical celebrities Wood streets, has received authoriza- playing in the city and Joe Murphy's tion from the Federal Radio Commis- ard Bach, organist; the Four Sylsion to change its call letters to vanians; I. Hall Van Arsdale, concert

original Lido Club Orchestra; Richbaritone, and other features to be

ENNA JETTICK QUARTE Old War Songs

Marching songs made famous the World War will be sung mixed quartet during the Emma tick Melodies program to be b cast through WJZ tonight at 8 o'



Hall new. Check Monoy Order en Sent C.O.D. plus postage Dept P.T. The Ranco Company 170 Summer St., Boston, Mass.



The Choice of a MillionReople

Hear the Super Dynamic Speaker Think! This wonder set that the whole

world is talking about. That has set a new Radio Standard - at the lowest price good radio has ever been sold for. Hear this set NOW! You will realize why it is the best—the finest and most economical radio for YOU!

Only Stern & Co. could offer such terms on standard makes of radio. When you buy Majestic Radio you buy the best. Hear it today. Liberal Budget Service.

Without Ready Cash
MAKE YOUR OWN TERMS



MAIL THIS NOW /

STERN & CO., Radio Dept., 712-714 Market St., Phila. Gentlemen :-

Without obligation on my part please tell me how I can

The New Majestic A. C. Set Without Ready Cash Name .....

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CONVENIENT BUDGET SERVICE

712-714 MARKET ST.

OPEN EVERY SATURDAY NIGHT

EVERYATHURSDA NIGHT-930 TOPN Are Not Affected by Nation-Wide Allocation Shake-up in the United States

### HAVE SIX CLEAR CHANNELS

Ottawa, Canada, Nov. 10,-(AP)-Radio listeners in the United States will find their favorite Canadian broadcasting stations on the same wave lengths, now that the new allocations have gone into effect in the United States.

By arrangement with the Canadian radio authorities, six channels are set aside for use by stations in the Dominion and broadcasters in this country will not be allowed to use these frequencies. They are 690, 730, 840,

910, 960 and 1030 kilocycles. Stations which will use 690 kilocycles are CFAC, Calgary; CFCN, Calgary; CJCH, Calgary; CKCO, Ottawa; CNRO, Ottawa.

Stations on 730 kilocycles are CFCF Montreal; CHYC, Montreal; CKAC. Montreal; CKCD, Vancouver; CKFC, CKWX, Vancouver.

Stations on 840 kilocycles are CFCA. Teronto; CJBC, Toronto; CKLC, Red 1010, 1120, 1200 and 1210 kilocycles. Deer, Alberta; CNRT, Toronto. Stations using 910 kilocycles are CFQC, Saskatoon: CJGC, London,

Stations on 960 kilocycles are CFCY, nels, wherever they are within Prince Edward Island; CFRB,, York miles of the border, to 250 watts. County, Ontario; CHWC, Regina; CJBR, Regina; CKGW, Bowmanville,

Stations on 1030 kilocylcles are CJOR, Sea Island, British Columbia; CNRV, Vancouver.

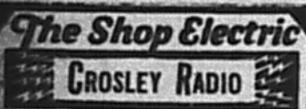
The Canadian National Railways has about a dozen studios which use other stations for transmission of their programs.

In addition to the six exclusive channels, Canadian stations share

### **CROSLEY RADIO** Time Payments HENRICK'S 17TH & VENANGO STS.

Headquarters for **CROSLEY RADIO** Terms If Desired-Prompt Service RADIO and ELECTRIC SHOP 12 E. Armat St., Gtn., Phile.

You're there with a Crosley"



Free Home Demonstration. Terms 6138 LANSDOWNE AVE.

Likes Loudspeakers



JOHN S. TIMMONS Now engaged in raising the loudspeaker output of the Philadelphia Storage Battery Company to 3000 per day, declares he believes the most intensive research work in radio lines is being carried on in developing and improving loudspeakers generally.

Vancouver; CKMO, Vancouver; twelve other channels with stations cies are 580, 600, 630, 780, 880, 890, 930, is taken for granted, with the programs of the Canadian light bulb and there are ten times stations, the Federal Radio Commis- as many reasons for carefully testing

### **NEWTON RADIO FORUM**

Hour Change Caused by Federal

Reallocations to Wednesday Due to the Federal reallocation of air stations the Newton Coal Radio Forum will present its musical show on Wednesday evenings in the future. instead of the customary Thursday

Nelson Eddy, operatic baritone, will be the feature soloist on the first Wednesday night concert hour. The broadcast is still through WIP, and continues at the same time, from 9 to 10 o'clock.

### Broadcasters, Attention

At a recent session of the Federal Radio Commission the following order was unanimously ap-

All broadcasting stations shall announce clearly and distinctly the character of all mechanical reproductions broadcast by them, the announcement to precede each

such program item. In such announcements each phonograph record used, whatever its character, shall be described as a "phonograph record"; each plano-player selection shall be described as played by "mechanical piano-player"; every other mechanical reproduction shall be similarly described by the term generally used and understood by the public as meaning such mechanical reproduction.

Carelessness With Bulbs Costly, Says Fada Radio Company After Recent Check-up

testing an electric light bulb, yet the latter has become a universal custom of dealers, while the former has by no means become general," relates a writer in Fada Sales, in calling ating this simple operation.

"From reports reaching us." says that many dealers are still not testing tubes before installing them in emission or defective.

before they are installed in a radio installation is completed. set. When you purchase an electric working order and lights. This pracin the United States. These frequen- tice has become so universal that it

In order to prevent interference cate electrical mechanism than a

"It is an easy matter to test tubes in a regular tube tester, which should be a part of every radio merchant's equipment, and isn't it better to test tubes before they are put in use in meters. your store than to answer an unnecessary complaint from a customer? West Jersey stations.

"Since the introduction of AC tube electric sets, carelessness in the matter of testing tubes seems to be growing worse instead of better. It is an impossibility to expect all tubes to be 100 per cent perfect and the Ca only way you will catch the bad ones Le is by testing them. Guesswork won't w do the trick, but a tube tester will w "In a recent check of complaints w

received by dealers, it was found that W about 75 per cent of the calls related W directly to tubes that were below par | W for one reason or another. Many W dealers have found that a free tube- W testing service is not only a good W advertisement but also eliminates W many unnecessary service calls. "Set W owners should bring their tubes in W. for free testing every three or four W. months. In making installations the W. dealer should be sure that every tube W has been tested before it is placed W in the set. Some dealers even use a WALK small sticker, pasting it on the tube WPSW after it has been tested."

### FOSDICK ON NATIONALISM

"True and False Nationalism" Topic of Clergyman This Afternoon

"True and False Nationalism" will be the subject of an address by Dr. Harry Emerson Fosdick during the National Religious Service to be broadcast through WJZ under the auspices of the Federal Council of Churches of Christ in America this afternoon, at 5:30 o'clock.

## All Philadelphia Radio Stations Change Waves

The wave lengths of all radio stations in Philadelphia and the Philadelphia metropolitan area, as well as virtually all stations in the country, have been changed by the reallocations ordered by the Federal Radio Commission, effective today.

Stations WJZ and WEAF, virtually "local" for most Philadelphians, are also affected.

All the stations just mentioned are listed below according to kilocycle frequencies (wave lengths) beginning with the longest wave stations first. HOME-MADE SET IS PASSE Stations WFI and WLIT, which share time on the same wave length, head the list because, under the new allocations, these stations now operate on a frequency of 560 kilocycles (a wave length of 535.6 meters), which is, incidentally, the next to the longest wave in the entire broadcast band.

If the dials on your receiver are numbered from 1 to 100 and if WFI and WLIT come in on your set very close to the 100 mark, then Stations WIP and WFAN will come in just a little below the WFI-WLIT setting. Harry Boyd Brown, merchandising WEAF a little below that, WJZ a little below WEAF and so on down the and advertising counselor for the tention to the dire results of neglect- list, in the order in which they are here listed.

If the dials on your set are numbered from 1 to 100 and Stations pany, manufacturers of the WFI and WLIT come in very close to the 1 mark, then the order in which the stations come in will range from the 1 mark upward on the dial, but

In addition to frequencies and wave lengths, both old and new, receivers. Radio sets cannot operate list here printed shows the old power in watts and the new power at standard if one of the tubes is low watts. These are the same in all cases except for Station WCAU, which has been authorized to operate on 5000 watts. It is operating on 1000 "Make sure that tubes are tested watts at present and will continue to do so until the new 5000-watt

An inspection of the list below shows that Stations WIP and WFAN, light bulb the clerk tests it for you which share time on the same wave, 491.5 meters, will now operate on in a socket to show you that it is in the old wave formerly used by Station WEAF. That is, WIP and WFAN will now come in on your set where you formerly got WEAF.

And Station WEAF is now operating on 454.3 meters, the wave which WJZ formerly operated. So WEAF will now come in on your se at the dial settings on which you formerly got WJZ. Station WJZ will that time would serve well as antiques now be found several points below its former dial settings.

Note that Station WIAD has changed its call letters to WELK. This Ontario; CJHS, Saskatoon; CNRS, sion has restricted the power of it before installation in a receiving change will not be made formally until Tuesday night, but the station United States stations on these chan- set or selling it across the counter, will operate as WELK beginning tomorrow. Station WIBG, Elkins Park, will operate on its new wave, 322.4 meters,

only during the period 6 A. M. to 6 P. M. Station WCAU will operate full time on its cleared channel of 256.3

Station WCAM is assigned 234.2 meters, but shares time with several the basemen

Stations WNAT, WFKD and WABY will share time on 288.9 meters as will also Stations WOO, WHBW, WALK and WPSW on 199.9 meter

	LO	CAL STA	TIONS RE	ALLOCAT	IONS		
all	New Freq.	Old Freq.	New Wave	Old Wave	New Power	Old Power	2
etters	in Kcys.	in Kcys.	in Meters	in Meters	in Watts	in Watts	
FI	560	740	535.4	405.7	500	500	题
LIT	560	740	535.4	405.7	500	500	
'IP	610	860	491.5	348.6	500	500	ā
FAN	610	860	491.5	348.6	500	500	
EAF	660	610	454.3	491.5	50,000	50,000	
JZ	760	660	394.5	454.3	30,000	30,000	
TBG	930	680	322.4	440.9	50	50	
CAU	1170	1150	256.3	260.7	5,000	1,000	
CAM	1280	1340	234.2	223.7	500	500	8
NAT	1310	1040	288.9	288.3	100	100	
FKD	1310	1210	228.9	247.8	50	50	
ABY	1310	1210	228.9	247.8	50	50	8
ELK	1370	1040	218.8	288.3	100	100	
RAX	1440	1410	208.2	212.6	250	250	ğ
00	1500	860	199.9	248.6	100	500	ğ
HBW	1500	1360	199.9	220.4	100	100	
ALK	1500	1490	199.9	201 2	50	50	

Wires No Longer Necessary With Present-Day Cabinets

"Simplicity of operation is the feature of the up-to-date radio that is most widely sought at the presen time by the lovers of radio broadcasting," according to the belief o Philadelphia Storage Battery Com-Phileo Neutrodyne-plus radio set.

"Only a few years ago," Mr. Brown elaborated, "radio was an idea of unknown value, and it was accepted with a great deal of skepticism on the part of the public.

"This was immediately followed with a rush on the part of individuals to get the first sets in town or the first ones in their neighborhood or to be the first in their localities to get New York or San Francisco, regardless of the type of set that was used as long as the goal was attained.

"The radio sets that were used at today, radio set manufacture has progressed so rapidly. There was a maze of wire, odd but pretentiouslooking parts, knobs, dials and whatstand the radio set graced.

"And from that as the starting point the magic parts flooded over the entire room, on to the roof and into

"Then the craze for home-made sets subsided, and in its place came a desire to obtain just the opposite kind-one that was simple, well-built and attractive to the eye. Still later with the advent of the all-electric set, radio really came into its own."

### ARMISTICE PROGRAM

Peerless Reproducers Have Medley of Old War Songs

A program of war songs in com-memoration of Armistice Day will be heard through WLIT, WEAF during the broadcast by the Peerless Reproducers today at 1:30 o'clock. 

Unlike all other

Dynamics --- only with

COLONIAL can you get

THOMAS PROFY 211 Mill St., Bristol, Pa.

"We Have It" COLONIAL **KUGEL BROS.** 2039-41 Germantown Ave.

CAMDEN HEADQUARTERS COLONIA C. N. LOVETT, Elec. Shop 3629 WESTFIELD AVENUE Camden, N. J. Phone Camden 1678-1

**COLONIAL RADIO?—YESI** ROYAL RADIO CO. 416 W. GIRARD AVE.
Has IT—On Easy Terms
Quick Delivery—No Red Tare
Phone Market 1654 Open E

COLONIAL

Free Demonstration! CASH OR **TERMS** 

MARKET ST.

at 5:30 o'clock every Sumlay afternoon . . . . But starting today, they go on the air an hour later . . . .

6:30 P. M. Station WLIT

alternating with WFI and 19 associated station it's the Acousticon Program The Acousticen Consult tion Rooms are located at 809 Commonwealth Bldg. 12th & Chestnut Sts., Phila-

EVERYTHING IN RADIO ZUCKER RADIO CO. Logan's De Luxe Radio Store 4841 N. BROAD ST. lich. 1926. North 0505. Reg. 4867

**OLNEY HEADQUARTERS** 4805 N. 5th St.

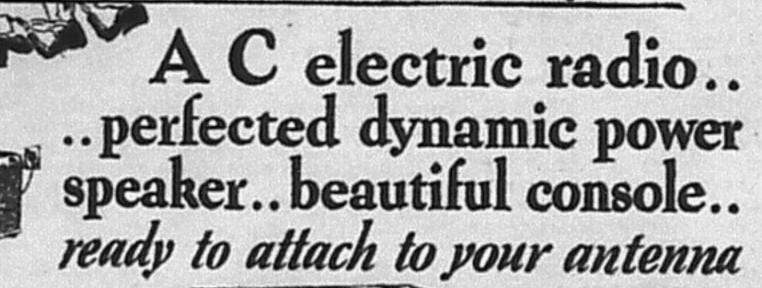
> Authorized Sales and Service H. F. ROLLMAN CO. 1920 DIAMOND ST. Phone Stevenson 8802

THOMAS B. PATTON

5232 GIRARD AVE.

Come in and let us demonstrate the new Colonial Radio with the new Dynamic Speaker

# ~ today ... You're there with a Crosley"...



AC ELECTRIC POWER SPEAKER GEMBOX

Crosley has designed a re-markable radio and with their mass production methods produce it at an almost incredible price \$65 without tubes. Sensitive - selective -

power speaker operating - shielded - illuminated dial-low voltage on tubes to insure their long lifeit is this year's most discussed success and will be the outstanding seller of

The Crosley DYNACONEtrue dynamic power speaker is the phenomenon of this season. 25 . . . and all that you can consibly desire in beautiful tone. ey also builds an 8 tube AC SHOWBOX (\$80.) with pull 171 output tubes in combination with a beautiful walnut veneer SHOWERS cabinet with Dynacone built in is \$137 . . . end in a richly finished elide door console cabinet is \$159.50. Dry cell operated BANDBOX. operating loud speaker Battery type BANDBOX,
—giving sume performance as
sew Crosley AC models—\$55. type BANDBOX,



Here is radio's greatest value -a complete console-compact - graceful - exquisitely proportioned. A product of the great Showers furniture factories (largest in the world). Such resources as theirs and Crosley's permits a price for a truly superior radio that competition cannot match.

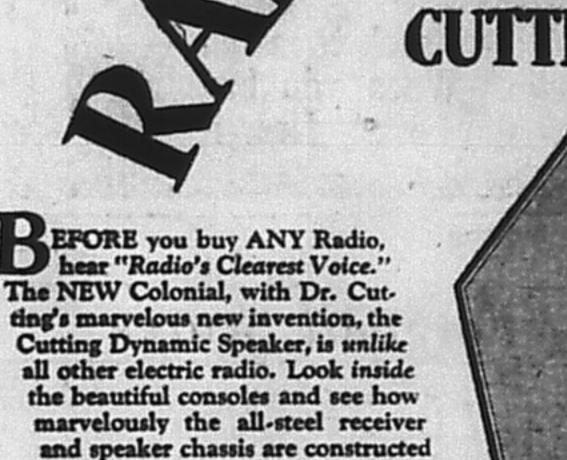
Any Crosley dealer will give you a home demonstration. Other complete Crosley-Showers console radios, \$137, \$150 and \$159.50.

CITOLLI

WILKENING, Inc. Wholesale Distributor

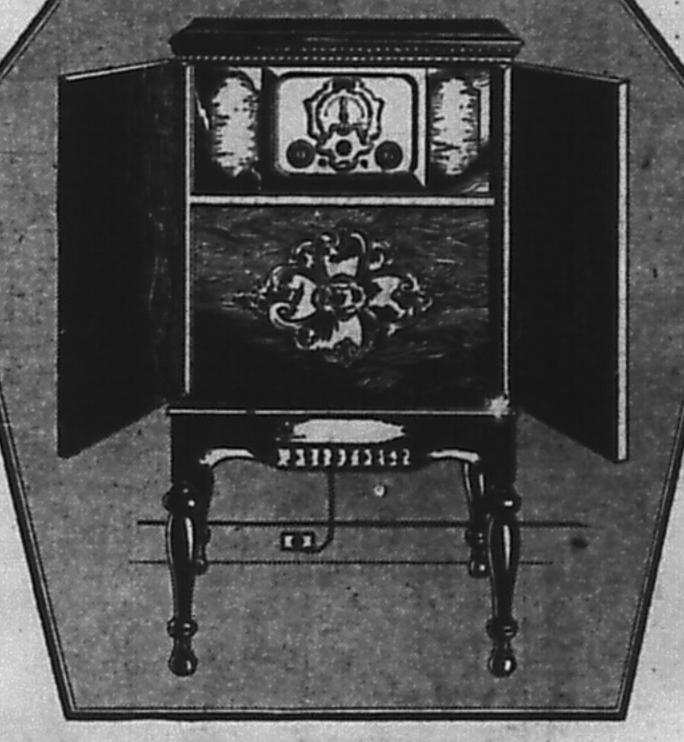
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Poplar 9605 Park 2323



-and with what perfection they coordinate. It is not possible just to imagine what Dr. Fulton Cutting's invention has accomplished. You must hear it...see it...operate it with your own hands...before you can realize how high he has raised the entire level of radio.

The NEW Colonial will give YOU the satisfactions which your present set does not supply...and give you those satisfactions for LESS THAN HALF THE PRICE you would expect to pay for them.



In every respect ... from the buffs in Cutting Dynamic Power Speaker down to such details as the automatic voltage regulator for efficient operation of tubes, the Cutting volume control, the beautiful floodlighted full vision dial, the singletuning control, the pick-up jack for dynamic reproduction of phonograph records, the cleverly carved speaker overlay ... Colonial is the one radio that will gratify your highest

Hundreds of dealers are now featuring the new Colonial...offering to install it for a small deposit and on liberal terms. Get a demonstration and the FACTS now!

The COLONIAL illustrated is with built-in Cutting \$268 TUBES
Dynamic Speaker 268 EXTRA CONVENIENT TERMS, IF DESIRED

Models for DIRECT and Alternating Current

# COLONIAL With the CUTTING DYNAMIC SPEAKER built-in

The Cutting Dynamic Speaker has a larger electro magnetic, a larger floating cone, a much larger driving coil than other dynamics. The clever design and combination of these elements have produced the effect that is little short of revolutionary.

Philadelphia Distributor COLONIAL RADIO CORP. 1018 Chestnut St. Ball Phone, Walnut 5134-5135 Keystone, Race 3572

COLONIAL RADIO CORPORATION

LONG ISLAND CITY, N. Y.



FVOIL

Tune in on the Colonial Minute Men WCAU 8:30 to 9:00 WOR 8:00 to 9:00 EVERY THURSDAY NIGHT

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